



DIVISION OF HEALTH AND MEDICAL SERVICES

www.doh.sd.gov

615 East 4th Street
Pierre, SD 57501

Community Health Services
Disease Prevention
Family Health
Health Promotion
State Epidemiologist

DIPHTHERIA Fact Sheet

Office of Disease Prevention

(605) 773-3737

1-800-592-1861 in South Dakota only

This material is provided for informational purposes only and is not a substitute for medical care. We are not able to answer personal medical questions. Please see your health care provider concerning appropriate care, treatment or other medical advice.

What is diphtheria?

Diphtheria is an acute bacterial disease that usually affects the tonsils, throat, nose or skin.

Who gets diphtheria?

Diphtheria is most common in low socioeconomic groups where people live in crowded conditions. Unimmunized children under 15 years of age are likely to contract diphtheria. The disease is often found among adults whose immunization was neglected, and is most severe in unimmunized or inadequately immunized individuals.

How is diphtheria spread?

Diphtheria is transmitted to others through close contact with discharge from an infected person's nose, throat, skin, eyes and lesions.

What are the symptoms of diphtheria?

There are two types of diphtheria. One type involves the nose and throat, and the other involves the skin. Symptoms include sore throat, low-grade fever and enlarged lymph nodes located in the neck. Skin lesions may be painful, swollen and reddened.

How soon do symptoms appear?

Symptoms usually appear two to four days after infection, with a range of one to six days.

When and for how long is a person able to spread diphtheria?

Untreated people who are infected with the diphtheria germ can be contagious for up to two weeks, but seldom more than four weeks. If treated with appropriate antibiotics, the contagious period can be limited to less than four days.

Does past infection with diphtheria make a person immune?

Recovery from diphtheria is not always followed by lasting immunity.

Is there a vaccine for diphtheria?

Diphtheria toxoid is usually combined with tetanus toxoid and pertussis vaccine to form a triple vaccine known as DTP. This vaccine should be given at two, four, six and 15 months of age, and between four and six years of age. A combination of tetanus toxoid and diphtheria toxoid (Td) should be given every 10 years to maintain immunity.

What is the treatment for diphtheria?

Certain antibiotics, such as penicillin and erythromycin, can be prescribed for the treatment of diphtheria.

What can be the effect of not being treated for diphtheria?

If diphtheria goes untreated, serious complications such as paralysis, heart failure and blood disorders may occur. Death occurs in approximately 5 to 10 percent of all cases.

How can diphtheria be prevented?

The single most effective control measure is maintaining the highest possible level of immunization in the community. Other methods of control include prompt treatment of cases and a community surveillance program.

Related Sites

- South Dakota Office of Disease Prevention
<http://doh.sd.gov/Disease/procedures.aspx>
- Centers for Disease Control and Prevention
 - National Immunization Program
<http://www.cdc.gov/vaccines/>
 - Common Misconceptions about Vaccination
<http://www.cdc.gov/vaccines/vac-gen/6mishome.htm>